

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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ARMY review completed.

25 YEAR RE-REVIEW

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STATE	#X	ARMY	#X	NAVY	#X	AIR	#X	FBI	#	AEC					
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COUNTRY USSR

DATE DISTR. 23 Nov. 1955

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25 YEAR RE-REVIEW

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SIGNAL EQUIPMENT IN THE 1ST MTRZD RIFLE BN, 16TH GDS MECZ REGT

[redacted] two types of radios in the 1st Mtrzd Rifle Dn, 16th Gds Mecz Regt. 1 The first type, which he referred to as the "10RT" [redacted] was the radio installed in each of the six APC's-152 and in each of the three APC's-I52 AA MG mounts. 2 The second type was a shoulder-carried radio which, [redacted] was called either the "R-106" or the "R-109" and was an older model. The following is all the information he could give regarding these two types of radios.

I. Radio "10 RT" Mounted in APC-152

This unit consisted of three components: a transceiver, a power supply 4 and a relay control assembly for switching the set on and off. The set was capable of CW and voice transmission and reception. The antenna used was approximately four meters high and was sectionalized. Voice signals received by it were clear, and reception was generally instantaneous. [redacted] these sets operated at a distance up to 10 km with little or no difficulty. [redacted] there was no fluctuation in voice reception. 5

[redacted] these sets [redacted] used for communication from APC to APC, from APC to tank, and from APC to the R-106 or R-109 pack-type radio within battalion, regimental and [redacted] divisional units during training, exercises, maneuvers and alerts. [redacted] information on their tactical employment or operation.

[redacted] a sergeant [redacted] was the assistant signal platoon leader [redacted] state that these sets were the best the USSR had. [redacted] on one occasion during the absence of [redacted] Battalion CO, [redacted] others tried to listen in to various broadcasting stations and heard a Polish station and another Russian-language broadcast. [redacted] the latter emanated from Moscow. [redacted] no name plates on the radio.

In 1955, [redacted] in the Kaganovich Brake Factory (Tormoznoy zavod im. kaganovicha) on Lesnaya ulitsa, Moscow, [redacted] exterior component radio parts being made there which [redacted] seemed identical with those [redacted] observed on the assembled sets in the APC's. 6

2. Shoulder-Carried R-106 or R-109 Radio

This radio operated on voice and CW with a battery power source. It weighed approximately 12 kg. The antenna was approximately one meter in length and was a "spring-back", beaded type capable of being folded up in a manner similar to a carpenter's rule. The radio set itself was canvas-enclosed and the exposed opening for set operations revealed [redacted] only unidentified dials and buttons. [redacted] those sets [redacted] had successfully operated up to a distance of five kilometers. [redacted]

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1. [REDACTED]
2. [REDACTED] Comment: Concerning the "10RT" type, [REDACTED] instruction was given on this type at the 4th Gds Mecz Army radio repair course in Finow. However, [REDACTED] no further informat^{25X1} on this particular set, and its operation was not taught at [REDACTED] division's signal school.

3. [REDACTED]
4. [REDACTED] Comment: This power supply was possibly a vibrator pack,^{25X1}

[REDACTED] t this is possibly an FM-type

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